

DERWENT-ACC-NO: 1999-027780

DERWENT-WEEK: 200363

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TITLE: Cold rolled steel sheet for motor vehicle contains predetermined amounts of carbon@, silicon@, manganese@, phosphorus@, sulphur@, aluminium@, nitrogen@ along with predetermined amounts of iron@ and irreversible impurities

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PATENT-ASSIGNEE: NIPPON STEEL CORP[YAWA]

PRIORITY-DATA: 1997JP-092086 (April 10, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
JP <u>10280087</u> A	October 20, 1998	JA
JP 3448454 B2	September 22, 2003	JA

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 10280087A	N/A	1997JP-092086	April 10, 1997
JP 3448454B2	Previous Publ	1997JP-092086	April 10, 1997

INT-CL-CURRENT:

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ABSTRACTED-PUB-NO: JP 10280087 A

BASIC-ABSTRACT:

The sheet contains 0.05-0.3 mass% of carbon, 3 mass% or less of Si, 0.05-4 mass% of Mn, 0.1 mass% or less of P, 0.1 mass% or less of S, 0.01-2 mass% of Al, 0.01 mass% or less of N with remainder Fe and irreversible impurity. An

oxide film of thickness less than 2 micrometer, is formed after continuous annealing.

ADVANTAGE - The sheet has sufficient press stamping property, stable surface characteristics and wide industrial use.

TITLE-TERMS: COLD ROLL STEEL SHEET MOTOR VEHICLE CONTAIN
PREDETERMINED AMOUNT

CARBON@ SILICON@ MANGANESE@ PHOSPHORUS@
SULPHUR@ ALUMINIUM@
NITROGEN@ IRON@ IRREVERSIBLE IMPURE

DERWENT-CLASS: M24 M27

CPI-CODES: M24-D02B; M27-A04; M27-A04A; M27-A04M;

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